

# Lessons Learned for Inc 43-46 and Visiting Vehicles



EXPCP # 40

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EO-10

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# OOS Placeholders

- ◆ Background: During the Final OOS TIM crew time placeholders were put in the OOS because the Rodent Research-2 dissections would not fit. The placeholders were of various lengths and scattered throughout the OOS, totaling 104:55. These placeholders in no way reflected any true PL requirements for crew, duration, or timing.
- ◆ Root Cause: Putting placeholders in the OOS gave a false impression that 845 hours could be accomplished when there were no baselined requirements to fill the time. They ended up in weeks that were not realistic and created holes that had to be filled during WLP/STP planning.
- ◆ Recommendation: Placeholders for RR-2 were not helpful. The OOS should reflect what can actually be planned each week.
- ◆ Recommended Actionee: EO03/Becky Grimaldi, EO10/Ray Echols
- ◆ Recommended Board: IMT/ExPCP

# Multi-Scenario OOS



- ◆ Background: Inc 45/46 planning team built an OOS that considered two different scenarios (SpX-8 arrival during Inc 46 or not). This was made possible because of ability of Score to easily schedule and unschedule large groups of activities.
- ◆ Root Cause: Constantly changing flight schedule makes long range planning difficult
- ◆ Recommendation: IMT should continue to provide an OOS planning direction letter with multiple scenarios for the planners to consider, when applicable.
- ◆ Suggested Actionee: OC/Susan Brand, CO/Mike Boggs, CO7/Aaron McDonald, and EO10/Teri Mears
- ◆ Recommended Board/Panel: IMT, ExPCP, JOP

# Ku Forward Modeling

- ◆ Background: New Ku Forward services gives PDs another path to command to their payloads. Currently this resource is modeled in the JSL band with other JSL assets (OCA, HD video, JAXA, ESA, POIC commanding). However, the onboard system is actually two distinct paths with different resources. This makes data flow planning, resource management, and responding to changes or real time anomalies challenging. Due to the influx of Ku forward users (35+) in the near future this problem will only get worse.
- ◆ Root Cause: Expansion of Station capabilities resulted in planning models that do not accurately represent the onboard configuration.
- ◆ Recommendation: Planning team should create a new band for JSL 2 and rename JSL to JSL 1. Everyone should update planning models to correctly display the appropriate resource. OPTIMIS software experts have already agreed to this change.
- ◆ Suggested Actionee: CO/Mike Boggs, CO7/Aaron McDonald, EO10/Teri Mears, and EO30/Jason Briggs
- ◆ Recommended Board/Panel: GJOP, ExPCP